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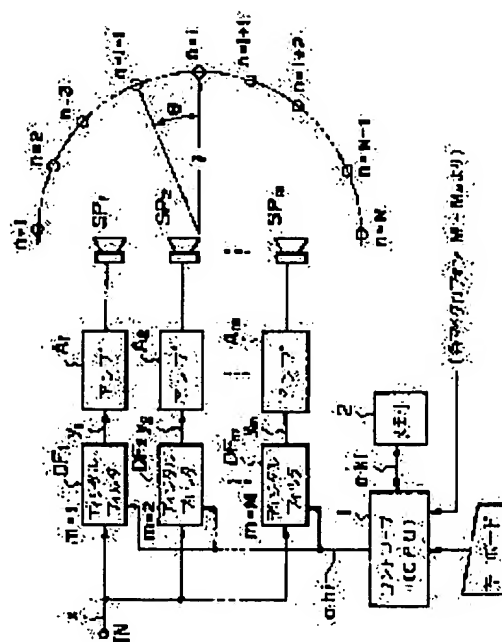
HAGIWARA SUMIO

(54) SPEAKER EQUIPMENT AND DIRECTIVITY CONTROL METHOD

(57)Abstract:

PURPOSE: To realize the speaker equipment and the directivity control method able to control variably and optionally not only the directivity in 2-dimension direction but also the directivity in 3-dimension through electric signal processing.

CONSTITUTION: The equipment is provided with a common input terminal IN receiving a voice signal to be sounded, plural speaker units SP1-SP_m arranged in a line, and plural digital filters DF1-DF_m whose filter coefficient calculated by the nonlinear optimizing method in response to the object directivity pattern of the sound radiation by the plural speaker units SP1-SP_m are set corresponding to the speaker units SP1-SP_m while being inserted and connected between the common input terminal IN and the speaker units SP1-SP_m.



LEGAL STATUS

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